

**WHAT IS CLAIMED IS:**

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- 10020495-121301
1. A method for achieving haemostasis in a puncture wound following a catheterisation procedure, wherein an external pressure is applied on the puncture wound in combination with a simultaneous coagulant treatment of said puncture wound.
  2. A compression device for achieving haemostasis in a puncture wound following a catheterisation procedure, comprising:  
a compressor; and  
a pressure element connected to said compressor so that a side of the pressure element is in contact with said puncture wound, wherein said side of the pressure element is provided with a coagulant, so that the coagulant and external compression pressure are applied simultaneously on said puncture wound when said compressor applies external compression pressure on said puncture wound via said pressure element.
  3. A compression device for achieving haemostasis in a puncture wound, comprising an inflatable pressure element provided with a coagulant.
  4. A method for achieving haemostasis in a puncture wound following a catheterisation procedure, wherein an external pressure is applied on the puncture wound in combination with a simultaneous chitosan treatment of said puncture wound.
  5. A method according to claim 4, wherein the external pressure is applied by a compression device, which is arranged around a part of a patient's body.

6. A method according to claim 5, wherein the chitosan is provided in the form of a chitosan patch, which is positioned over the puncture wound when the compression device is arranged around a part of the patient's body.

7. A method according to claim 5, wherein the compression device comprises a compressor and a pressure element, which is connected to the compressor and has a side provided with chitosan, the side of the pressure element being in contact with the puncture wound, so that the chitosan and external compression pressure are applied simultaneously on the puncture wound when the compressor applies external compression pressure on the puncture wound via the pressure element.

8. A method according to claim 7, wherein said side of the pressure element is coated with a layer of chitosan.

9. A method according to claim 7, wherein the chitosan is provided at said side of the pressure element by a chitosan patch, which is detachable from the pressure element, so that the chitosan patch remains seated at the puncture wound when the pressure element is removed.

10. A compression device for achieving haemostasis in a puncture wound following a catheterisation procedure, comprising:  
a compressor; and  
a pressure element connected to said compressor so that a side of the pressure element is in contact with said puncture wound, wherein said side of the pressure element is provided with chitosan, so that the chitosan and external compression pressure are applied simultaneously on said puncture wound when said compressor applies

external compression pressure on said puncture wound via said pressure element.

11. A compression device according to claim 10, wherein said side of the pressure element is coated with a layer of chitosan.

12. A compression device according to claim 10, wherein the chitosan is provided at said side of the pressure element by a chitosan patch, which is detachable from the pressure element, so that the chitosan patch remains seated at the puncture wound when the pressure element is removed.

13. A compression device according to claim 12, wherein the chitosan patch is in the form of a weakly adhesive patch, an adhesive side of which is attached to said side of the pressure element and which is easy to remove therefrom.

14. A compression device according to claim 12, wherein the chitosan patch is in the form of a thin foil, which adheres to said side of the pressure element by covalent forces and which is easy to remove therefrom.

15. A compression device according to claim 10 for the compression of the femoral artery, which femoral compression device comprises an inflatable pressure element and the compressor comprises a belt adapted to be fixed around a patient's body, a base plate, which is connectable to the belt and has a top portion and a bottom portion connected to the pressure element, and a pump connectable to the pressure element, wherein said side of the pressure element is provided with chitosan, so that the chitosan and external compression pressure are applied simultaneously on said puncture wound when the inflatable pressure element is inflated by the pump.

16. A compression device according to claim 15, wherein said side of the pressure element is coated with a layer of chitosan.

17. A compression device according to claim 15, wherein the chitosan is provided at said side of the pressure element by a chitosan patch, which is detachable from the pressure element, so that the chitosan patch remains seated at the puncture wound when the pressure element is removed.

18. A compression device according to claim 17, wherein the chitosan patch is in the form of a weakly adhesive patch, an adhesive side of which is attached to said side of the pressure element and which is easy to remove therefrom.

19. A compression device according to claim 17, wherein the chitosan patch is in the form of a thin foil, which adheres to said side of the pressure element by covalent forces and which is easy to remove therefrom.

20. A compression device according to claim 10 for the compression of the radial artery, which compression device comprises the pressure element and the compressor comprising a support plate having a first securing strap connected to a distal end of the support plate, a second securing strap connected to a proximal end of the support plate, and at least one intermediate securing strap, on which the pressure element is attached, for holding the pressure element and the support plate in position on essentially opposite sides of the wrist of a patient, wherein said side of the pressure element is provided with chitosan, so that the chitosan and external compression pressure are applied simultaneously on said puncture wound when said at least one intermediate securing strap is tightened.

21. A compression device according to claim 20, wherein said side of the pressure element is coated with a layer of chitosan.

22. A compression device according to claim 20, wherein the chitosan is provided at said side of the pressure element by a chitosan patch, which is detachable from the pressure element, so that the chitosan patch remains seated at the puncture wound when the pressure element is removed.

23. A compression device according to claim 22, wherein the chitosan patch is in the form of a weakly adhesive patch, an adhesive side of which is attached to said side of the pressure element and which is easy to remove therefrom.

24. A compression device according to claim 22, wherein the chitosan patch is in the form of a thin foil, which adheres to said side of the pressure element by covalent forces and which is easy to remove therefrom.

25. A compression device according to claim 10 for the compression of the radial artery, which compression device comprises a support arm provided with a support pad, a compression arm connected to the support arm and provided with the pressure element, and a pressure-adjusting assembly for adjusting the distance between the support pad and the pressure element, so that, when the compression device is arranged on a forearm of a patient, the support pad bears against a well-defined area at the upside of the radius bone and the pressure element bears against well-defined area at the underside of the radius bone, wherein said side of the pressure element is provided with chitosan, so that the chitosan and external compression pressure are

30. A compression device for compression of a radial artery, comprising a pressure element and a support plate, the pressure element and the support plate positionable on essentially opposite sides of the wrist of a patient, wherein said pressure element includes chitosan.